

FIG.1.

Room Temperature  
CDDR8:  $\xrightarrow{\text{SmC}^*}$  57 °C  $\xrightarrow{\text{Iso}}$

High tilt angle, independent of temperature.

CDDR8 -

Tilt angle Vs Temperature

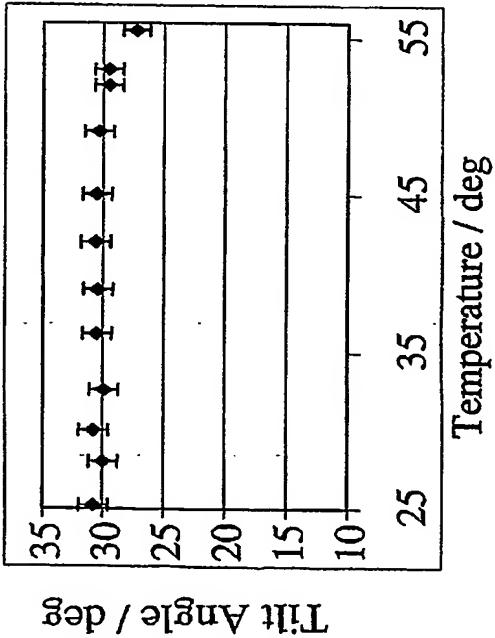


Figure 2a

Saturated switching.

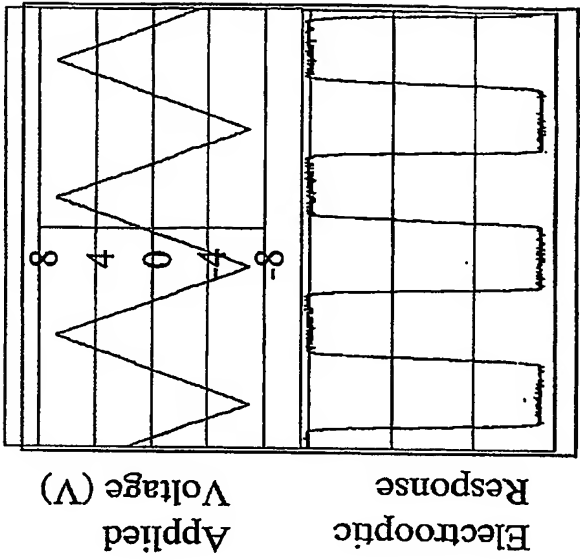
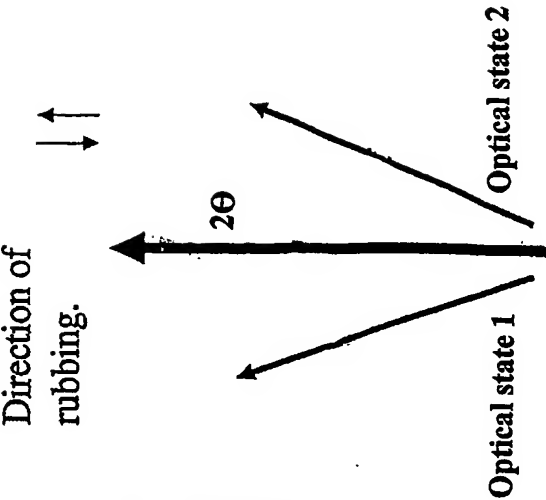


Figure 2b

FIGURE 2

Siloxane oligomerCDRR8  
(2.0  $\mu\text{m}$ , nylon 6-6)

Before : alignment.  
After alignment



$\theta$  is the effective tilt angle  
Fields of approximately 10 V/ $\mu\text{m}$   
and freq. of 1-10 kHz

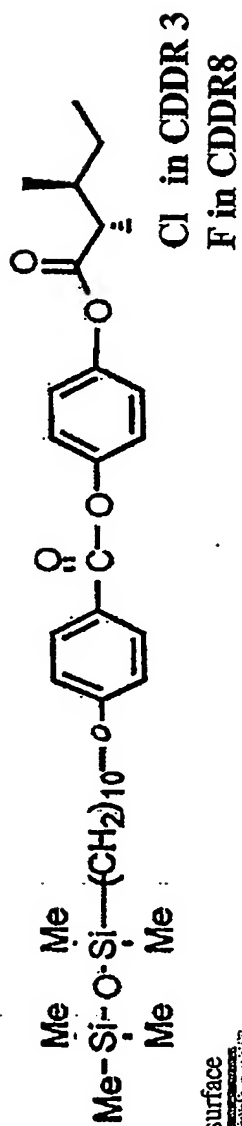
Figure 3(a)



CS2005  
2.81  $\mu\text{m}$ ,  
nylon 6-6  
↓↑



Figure 3(b)



mp = 4.04 °C; Iso 52.68 SC\* -19.71 °C K

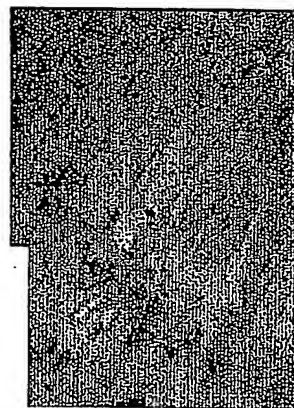
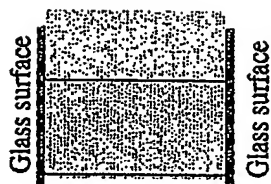
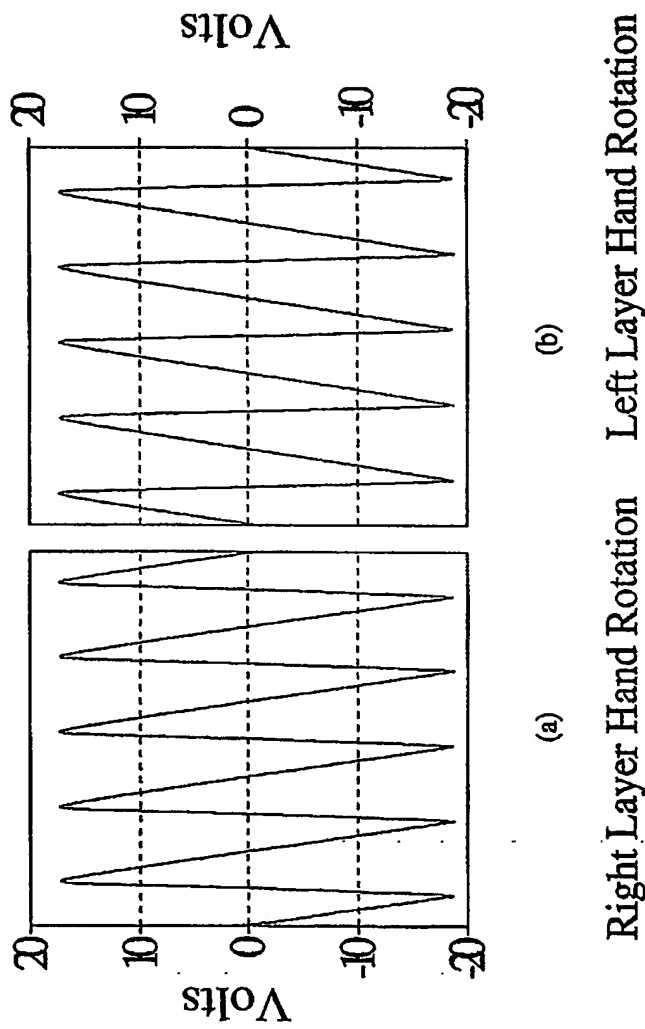


Figure 4(a)



Figure 4(b)



**Figure 5**

Negative-Positive

Value of  $I_0$ -crossed  
at the end of T4

Positive-Negative

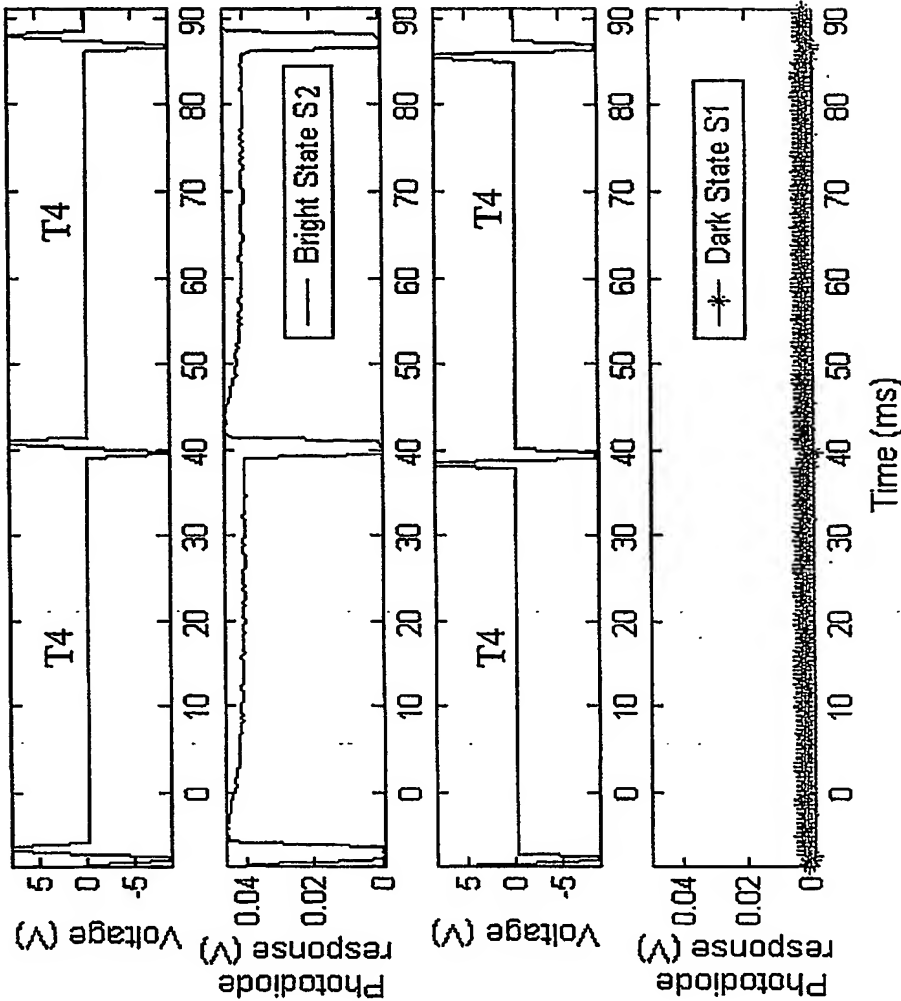


Figure 6(a)

Figure 6(b)

Figure 6(c)

Figure 6(d)